The Read Aloud Cloud

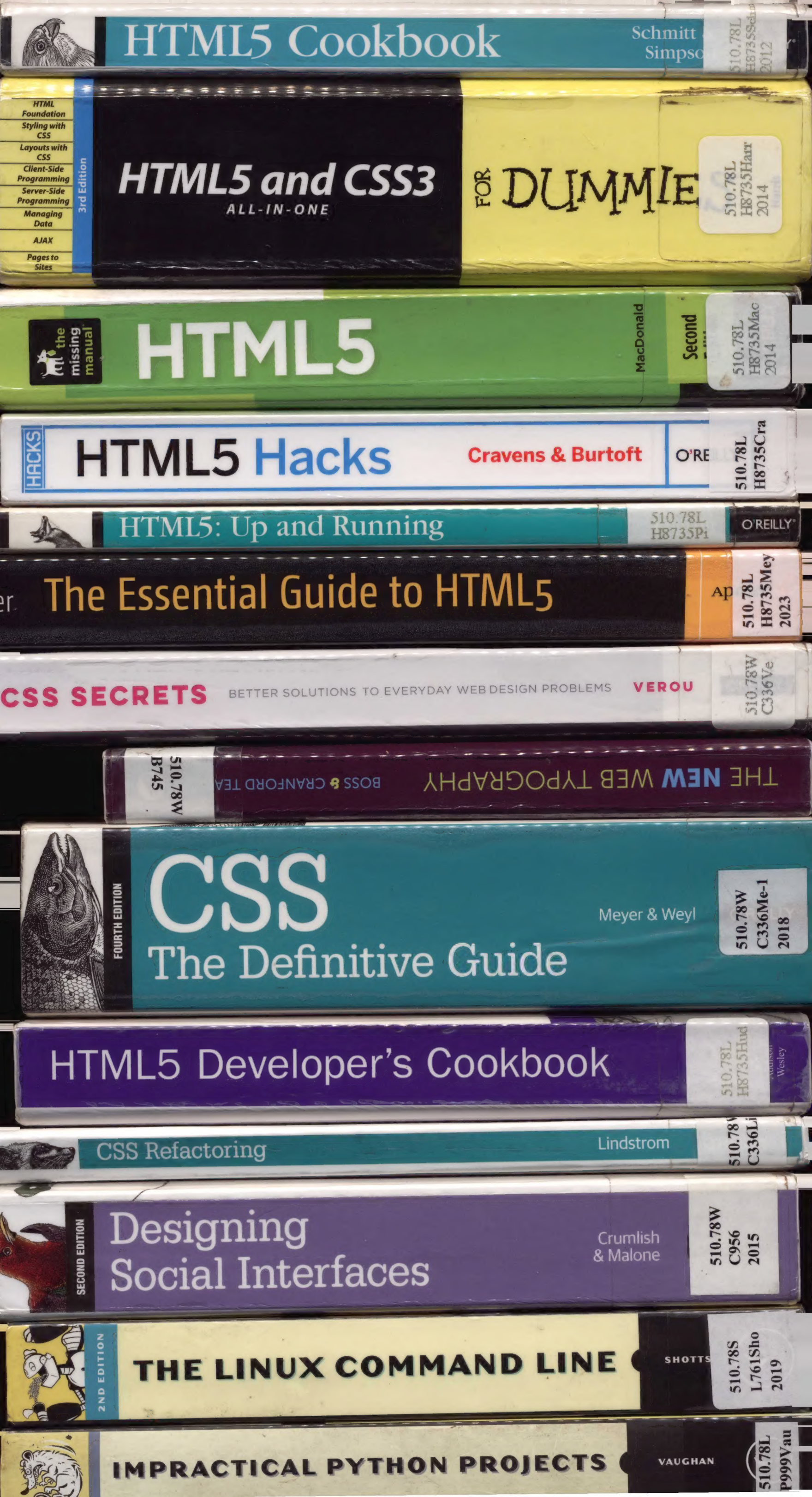## An Innocent's Guide to the Tech Inside

Forrest Brazeal

WILEY

HTML5 Cookbook — Schmitt & Simpson

HTML5 and CSS3 ALL-IN-ONE — 3rd Edition — FOR DUMMIES

HTML Foundation
Styling with CSS
Layouts with CSS
Client-Side Programming
Server-Side Programming
Managing Data
AJAX
Pages to Sites

HTML5 — the missing manual — MacDonald — Second

HTML5 Hacks — Cravens & Burtoft — O'REILLY — HACKS

HTML5: Up and Running — O'REILLY

The Essential Guide to HTML5 — Ap

CSS SECRETS — BETTER SOLUTIONS TO EVERYDAY WEB DESIGN PROBLEMS — VEROU

THE NEW WEB TYPOGRAPHY — BOSS & CRANFORD TEA

CSS The Definitive Guide — FOURTH EDITION — Meyer & Weyl

HTML5 Developer's Cookbook — Addison Wesley

CSS Refactoring — Lindstrom

Designing Social Interfaces — SECOND EDITION — Crumlish & Malone

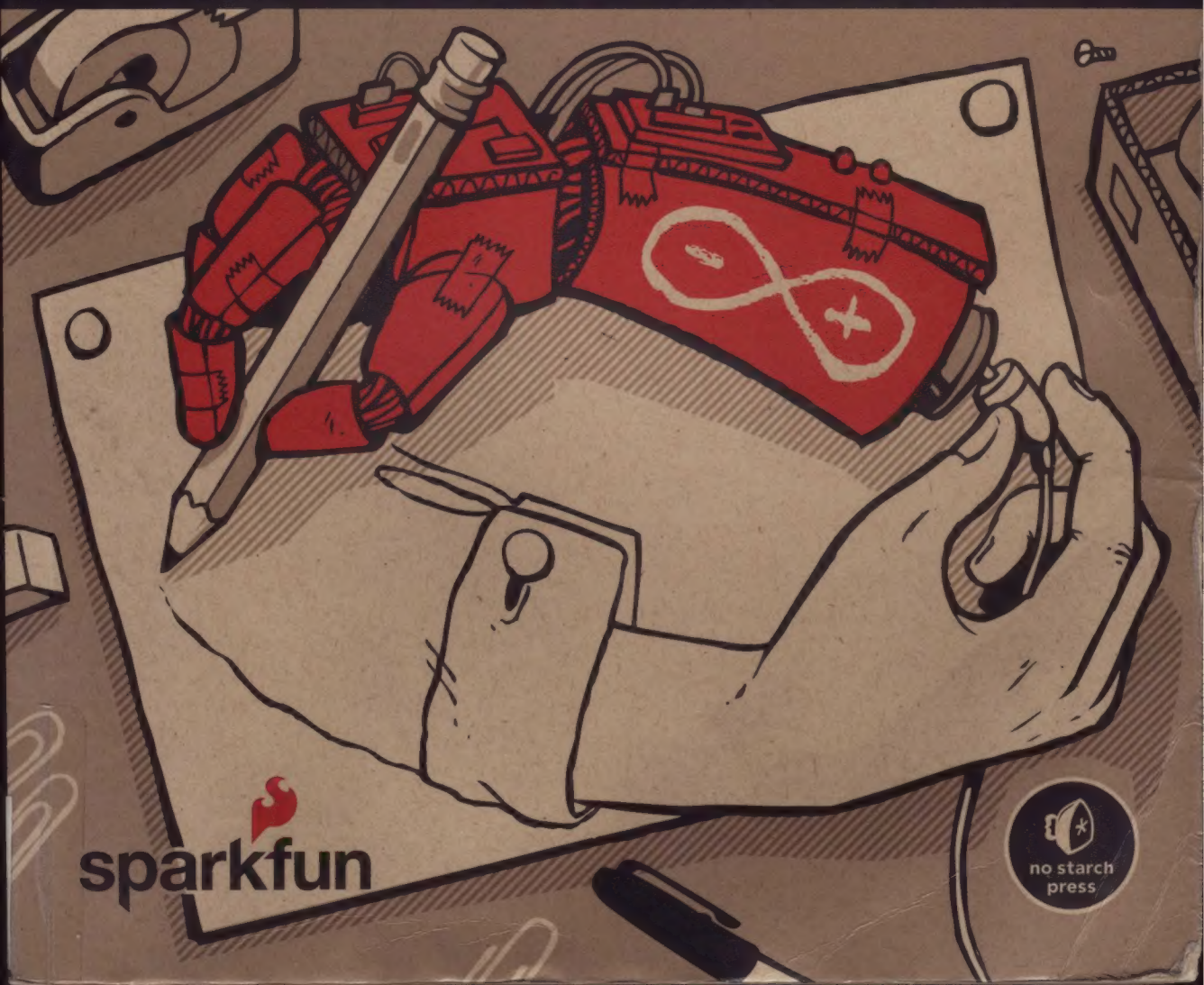**THE LINUX COMMAND LINE** — 2ND EDITION — SHOTTS

IMPRACTICAL PYTHON PROJECTS — VAUGHAN

THE ARDUINO INVENTOR'S GUIDE

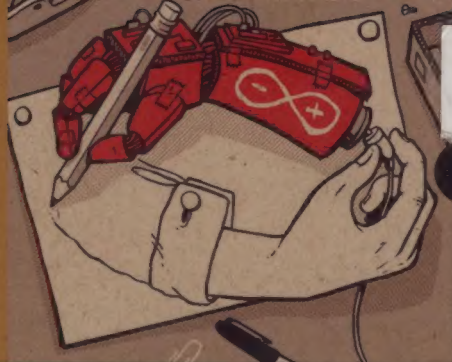## LEARN ELECTRONICS BY MAKING 10 AWESOME PROJECTS

BRIAN HUANG AND DEREK RUNBERG

sparkfun

no starch press

GET STARTED WITH DIY ELECTRONICS

ARDUINO UNO
or SPARKFUN
REDBOARD

The Arduino microcontroller makes it easy to learn about electronics, but it can be hard to know where to start. The 10 projects in this book will teach you to build, code, and invent with the super-smart Arduino and a handful of parts.

First, you'll master the basics with a primer that explains how a circuit works, how to read a wiring schematic, and how to build and test projects with a solderless breadboard. Then you'll learn how to make your hardware move, buzz, flash, and interact with the world using motors, LEDs, sensors, and more as you build these 10 projects:

- The classic first Arduino project: blinking an LED

- A miniature traffic light

- An LED screen that displays animated patterns and shapes

- A fast-paced button-smashing game to test your reflexes

- A light-sensitive, color-changing night-light

- A challenging ball-balancing game

- A temperature-sensing mini greenhouse with an automated fan and vent

- A motorized robot that you can control

- A racing timer for toy cars

- A tiny electric piano that you can actually play!

With each project, you'll learn real coding skills so you can tell your inventions what to do, like how to store temperature readings with variables, start a timer or spin a motor with functions, and make decisions using loops. You'll even find tips and tricks to put your own twist on each gadget and take things further.

ABOUT SPARKFUN ELECTRONICS

SparkFun Electronics is an online retail store that sells electronic parts for DIY projects. It offers classes for the public as well as resources, tutorials, and professional development for educators through its Department of Education.

CSS SECRETS

BETTER SOLUTIONS TO EVERYDAY WEB DESIGN PROBLEMS

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THE NEW WEB TYPOGRAPHY

BOSS & CRANFORD TEA

the missing manual

HTML5

MacDonald

Second
Edition

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2014

Shell Programming in Unix, Linux and OS X

Fourth
Edition

Kochan

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2017

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The Definitive Guide

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bash Cookbook

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2018

THE APPLE II AGE

HOW THE COMPUTER

BECAME PERSONAL

LAINE NOONEY

"*The Apple II Age* is a joy to read and an extraordinary achievement in computer history. A rigorous thinker and a bright and witty writer, Nooney offers a compelling account of the initial attempts to make computers inviting to the public. *The Apple II Age*, like the old microcomputer itself, is bound to intrigue both experts and new-comers to the subject."

JOANNE MCNEIL, AUTHOR OF *LURKING: HOW A PERSON BECAME A USER*

"Nooney complicates and enriches the men-in-garages Silicon Valley mythology we all know by drawing together a rich cast of software visionaries whose creative and entrepreneurial talents gave life to the machine. A magisterial history and a gift to all curious technophiles."
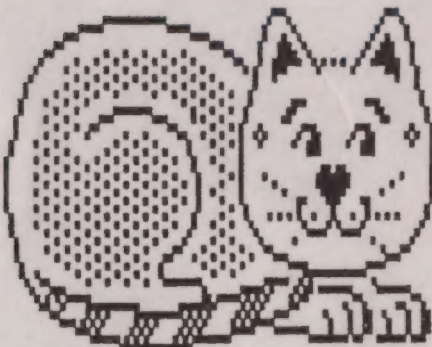
CLAIRE L. EVANS, AUTHOR OF *BROAD BAND: THE UNTOLD STORY OF THE WOMEN WHO MADE THE INTERNET*

"A highly original and insightful book that makes an enormous contribution. Nooney demonstrates how software transformed microcomputing from an arcane hobby into a mass consumer product."

KEVIN DRISCOLL, AUTHOR OF *THE MODEM WORLD: A PREHISTORY OF SOCIAL MEDIA*

"In these pages I found the story of my own coming of age with an Apple II, but it is not a nostalgic or sentimental story about boys and their toys. Instead, the mono-chrome green glow of the CRT is rendered prismatic through Nooney's rigorous scholarship, painstaking archival research, and always bracing and authentic prose."

MATTHEW KIRSCHENBAUM, AUTHOR OF *TRACK CHANGES: A LITERARY HISTORY OF WORD PROCESSING*

WHITE-HAT
SECURITY ARSENAL

Tackling the Threats

Addison Wesley

Pearson

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I ♥ Melissa

CIH

nmap

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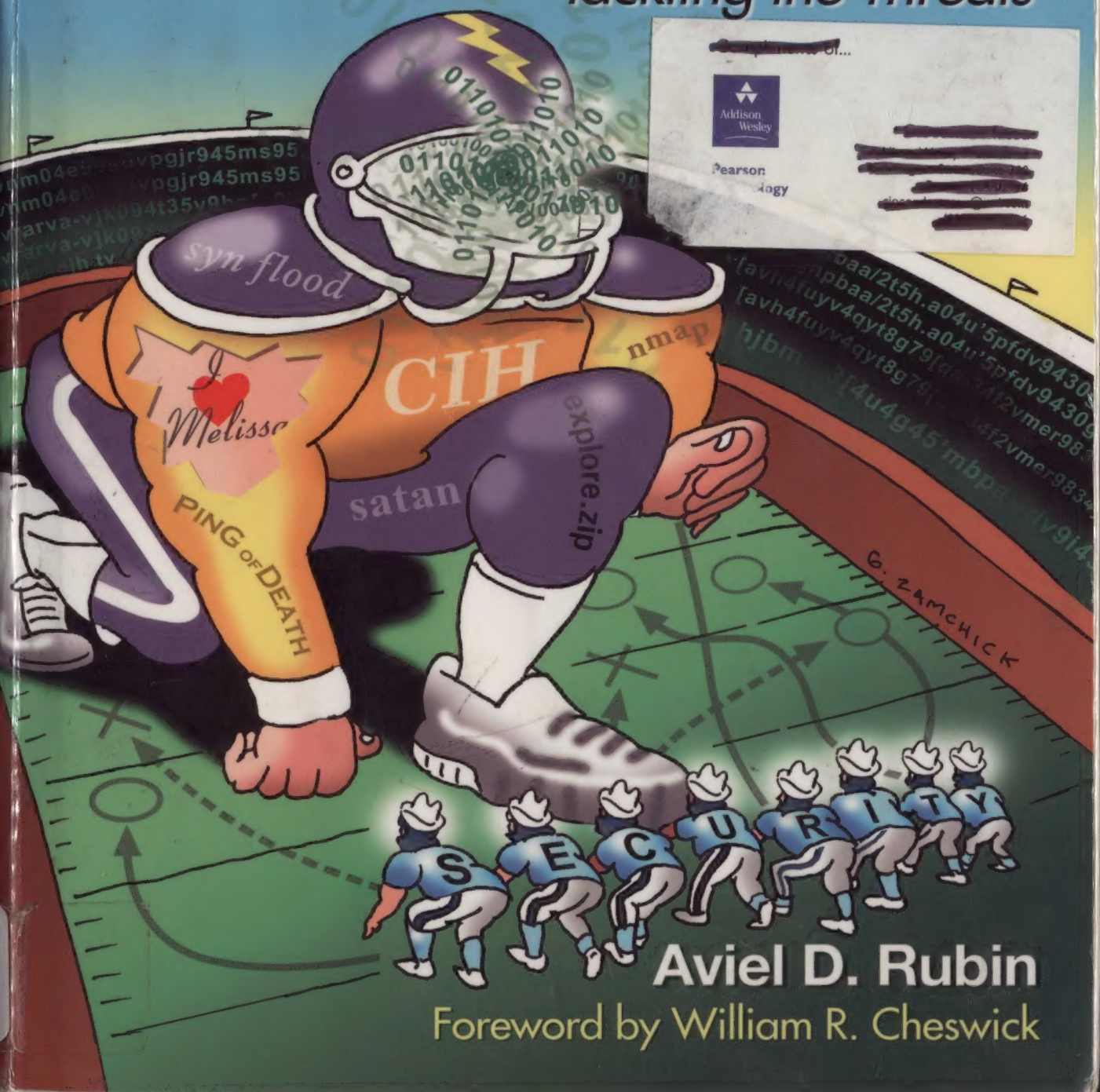
SECURITY

Aviel D. Rubin

Foreword by William R. Cheswick

Security/Networking

WHITE-HAT
SECURITY ARSENAL

"*Avi Rubin does a great job of explaining the motivations behind many security solutions, as well as providing practical information about how you can solve real-world problems.* **White-Hat Security Arsenal** *is an invaluable resource—a judicious mix of practical information and the theory behind it.*"
—Marcus J. Ranum, CTO, NFR Security, Inc.

"**White-Hat Security Arsenal** *ups the ante for the good guys in the arms race against computer-based crime. Like a barrage of cruise missiles, Avi's excellent book attains air superiority by leveraging smarts and advanced GPS technology to zero in on critical targets. Intended to educate and inform information security professionals with a no-nonsense, hold-the-hype approach to security, this book is a critical weapon for modern information warriors. If you wear a white hat and are on the good guys' team, buy this book. Don't go into battle without it!*"
—Gary McGraw, Ph.D., CTO, Cigital

How do I allow secure remote access to my site? How do I protect data on my laptop in case it's stolen? How should I configure my firewall? Will I regret using my credit card online? How will the bad guys attack? If these are some of the questions that keep you awake at night, you need to read this book.

As a computer security expert at AT&T Labs, author Avi Rubin regularly meets with IT staffs from all types of companies. When asked to recommend resource material to his customers, Rubin realized that there just wasn't a book on the market that would give them concise, direct answers to all their security questions. So he wrote one.

Using a problem-oriented approach, Rubin walks you through everything from protecting against network threats to using credit cards on the Web. Each chapter begins with a problem statement, continues with a description of the threat, explains the technologies involved, and then offers solutions. Chapters conclude with one or more case studies.

You'll find easy-to-understand information that will help you
  • Identify the risks
  • Put attacks in perspective

  • Store information securely
  • Perform reliable and secure backups
  • Transfer information securely across hostile networks
  • Understand Public Key Infrastructure (PKI) and its limitations
  • Protect against network threats
  • Set up firewalls
  • Deal with denial of service attacks
  • Understand online commerce and privacy

Whether you are an IT professional, a system administrator, an academic, or simply a regular Internet user, *White-Hat Security Arsenal* is full of information you can't afford to miss.

Dr. Aviel D. Rubin is a computer scientist and principal researcher at AT&T Labs–Research. A recognized expert in computer security, he serves on the USENIX board of directors and is coauthor of *Web Security Sourcebook* (John Wiley & Sons, 1997).
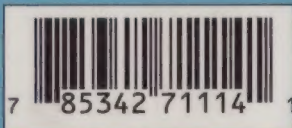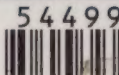
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Laugh and learn at the same time with this delig[ht] of verses and illustrations about cloud computing

What is "the cloud?" If you're a non-techie, you probably have a vague idea. You might think it's where you store your smartphone photos or the place all of your streaming music and movies come from. Maybe you're picturing huge rooms filled with thousands of servers, complete with blinking lights and miles of cables. You're right. The cloud is all of this, and so much more. Everything from the Internet of Things to Artificial Intelligence needs the cloud. The cloud is everywhere. But what do you really know about the cloud? Have cloud computing pros tried to explain it to you, only to be met with blank stares? If so, *The Read Aloud Cloud: An Innocent's Guide to the Tech Inside* is the perfect book for you—and them!

Written by Forrest Brazeal, creator of the popular "FaaS and Furious" webcomic, this lighthearted book is a must-have for techies and non-techies alike. You will be entertained and educated by hilarious rhyming verses, full-color illustrations, and zany cartoons that explain the basics of cloud computing with tongue planted firmly in cheek. You'll learn about the history of cloud computing, the core building blocks of cloud architecture, cloud security, voice programming and automation, and much more. From the first page to the last, you will be laughing so much that you might forget you're actually learning something!

Forrest Brazeal has worked in the tech industry for more than a decade. He's installed software updates during a live cataract surgery and designed robots that perform machine learning on pizza, all while keeping his trademark sense of humor. In 2015, he began drawing a weekly webcomic about his life in the cloud which now reaches more than one hundred thousand regular readers. Forrest regularly interviews the biggest names in cloud computing through his "Think FaaS" podcast and his "Serverless Superheroes" blog series. An original AWS Serverless Hero, Forrest speaks regularly on business and technology at conferences, universities, and private events around the world.

TECHNOLOGY/ COMPUTERS / Cloud Computing
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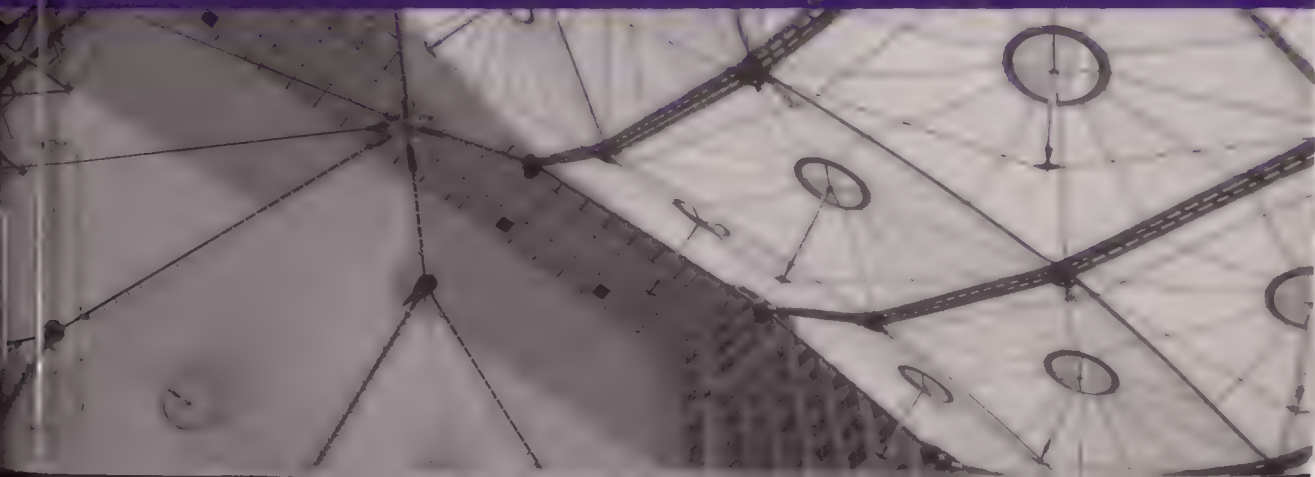Author Headshot Courtesy of Shane Fimbel
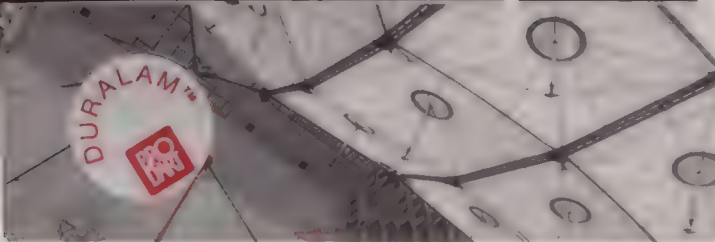
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Chuck Hudson
Tom Leadbetter

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HTML5
Developer's Cookbook

DURALAM™

HTML5 Developer's Cookbook

Using HTML5, web developers can create standards-based browser applications with extraordinary richness and power, incorporating everything from drag-and-drop to native audio and video—all without any third-party plug-ins. Simply put, every web developer needs to master HTML5—and the sooner you do so, the greater advantage you'll have. *HTML5 Developer's Cookbook* provides all the expert advice and proven code you need to start building production-quality HTML5 applications *right now*.

Authors Chuck Hudson and Tom Leadbetter present tested, modular recipes at beginner, intermediate, and advanced levels. You'll learn exactly how to deliver state-of-the-art user experiences by integrating HTML5's new and enhanced elements with CSS3, multimedia, and JavaScript APIs. Reflecting current standards, this book prioritizes HTML5 features with substantial browser support and identifies the level of browser support for each feature discussed. Coverage includes

- Understanding and using HTML5's new structural elements
- Using grouping, text-level, and redefined semantics
- Managing browser-handling in HTML5
- Leveraging new CSS3 layout and style techniques
- Maximizing interactivity with HTML5 Web Forms
- Embedding audio and video with HTML5
- Drawing with the canvas

- Controlling browser histories
- Integrating location awareness with the Geolocation API
- Implementing client side storage
- Working with local files
- Managing communication and threading
- Optimizing the HTML5 browser experience
- Integrating device data

Turn to *HTML5 Developer's Cookbook* for expert answers, real solutions, and the code required to implement them. It's all you need to jumpstart any HTML5 project and create rich, high-value web applications your users will love.

Chuck Hudson has developed mobile web and mobile solutions since the 1990s. A successful "techpreneur" and long-time geek-in-training, he is a certified PHP programmer and PayPal developer. He teaches web programming, mobile technology, and entrepreneurship throughout the Boston and Atlanta regions. In 2008, he received the eBay Star Developer award for the first iPhone mobile web and native apps. **Tom Leadbetter** is a web designer and developer based in Liverpool, England. He has been working with HTML5 since early 2009 and blogs about it at HTML5Doctor.com.

CHRIS FEHILY

PYTHON

Teach yourself Python the
quick and easy way! This
Visual QuickStart Guide uses
pictures rather than lengthy
explanations. You'll be up
and running in no time!

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PYTHON

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- **Takes an easy, visual approach** to teaching Python, using pictures to guide you through the language and show you what to do.

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- **Affordably priced**, because buying a computer book shouldn't be an investment in itself.

- **Companion Web site** at www.peachpit.com/vqs/python/ includes scripts and resources

- **Chris Fehily** has more than 10 years experience designing and developing commercial-grade software applications. His recent experience includes writing technical documents for several Silicon Valley firms that no longer exist. He was once a professional currency options trader who lost everything on a bad bet on German interest rates. He still has not started his novel. Chris holds degrees in Statistics and Economics and lives in San Francisco.

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THE INTERACTIVE WAY

PAUL MCFEDRIES

IMPRACTICAL PYTHON PROJECTS

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TO *MAKE YOU SMARTER*

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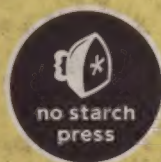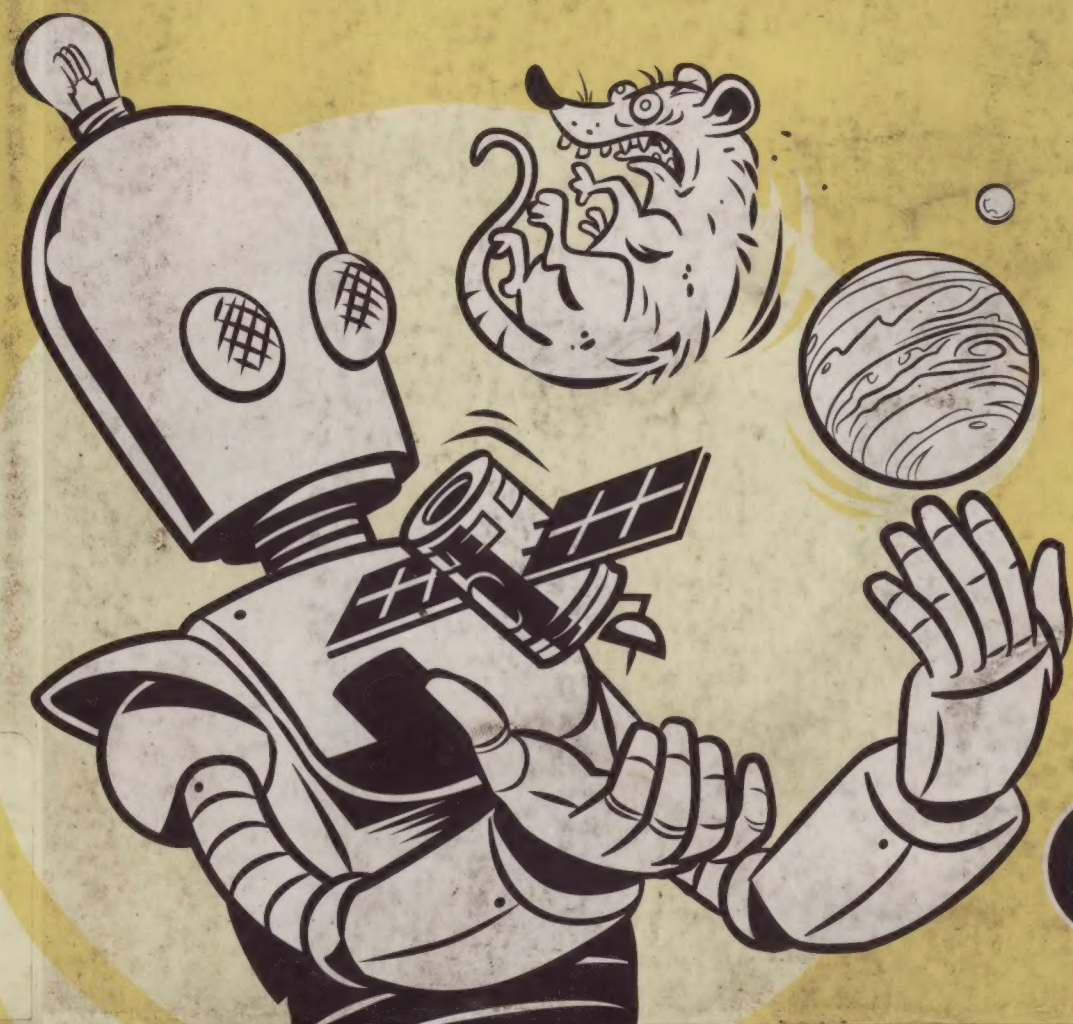
THE LINUX COMMAND LINE

A *COMPLETE* INTRODUCTION

WILLIAM SHOTTS

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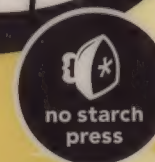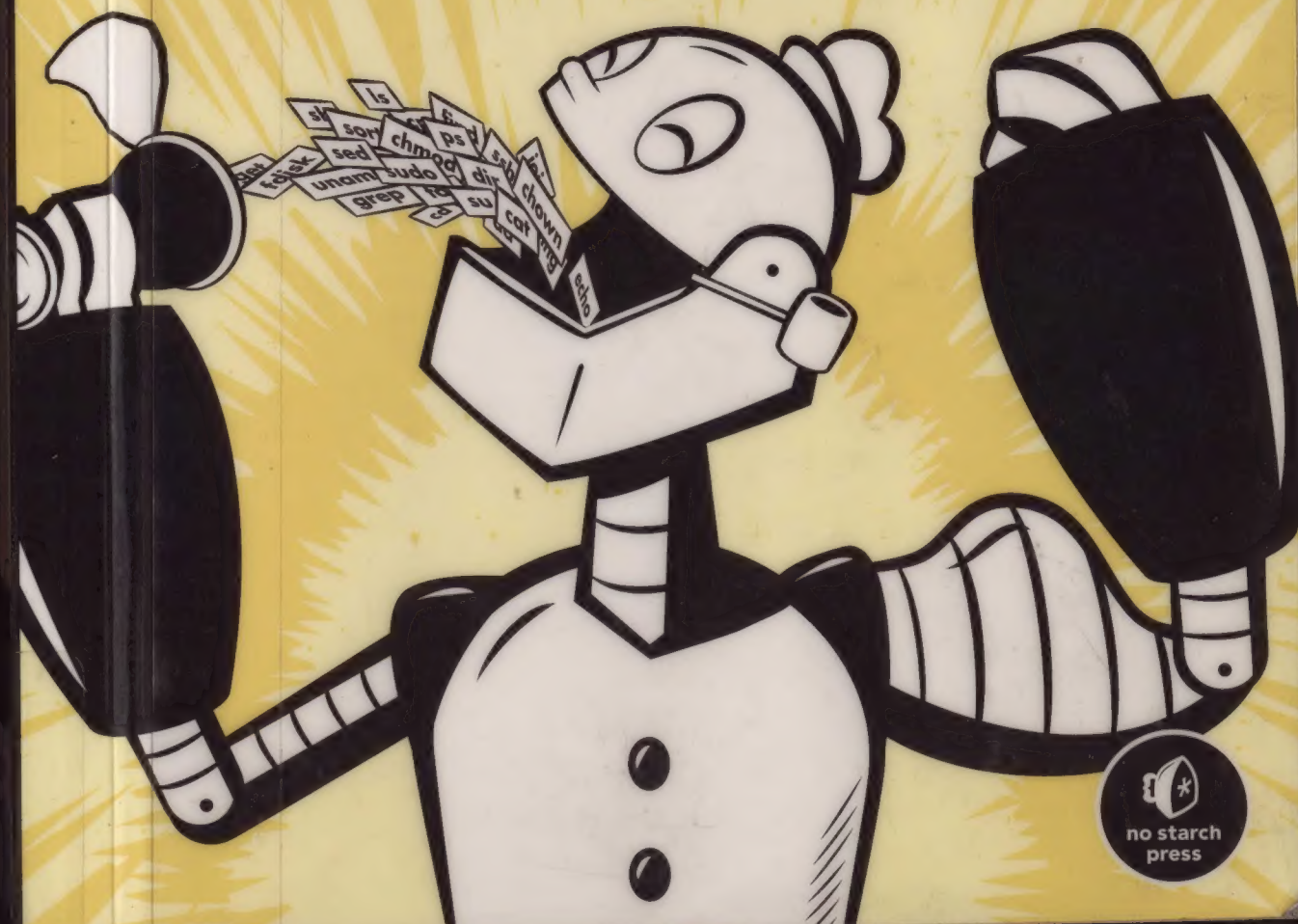
Stephen G. Kochan
Patrick Wood

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in Unix, Linux and OS X

Dave Taylor

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Shell Programming in Unix, Linux and OS X

Shell Programming in Unix, Linux and OS X is a thoroughly updated revision of Kochan and Wood's classic *Unix Shell Programming* tutorial. Following the methodology of the original text, the book focuses on the POSIX standard shell, and teaches you how to develop programs in this useful programming environment, taking full advantage of the underlying power of Unix and Unix-like operating systems.

After a quick review of Unix utilities, the book's authors take you step-by-step through the process of building shell scripts, debugging them, and understanding how they work within the shell's environment. All major features of the shell are covered, and the large number of practical examples make it easy for you to build shell scripts for your particular applications. The book also describes the major features of the Korn and Bash shells.

Learn how to...

- Take advantage of the many utilities provided in the Unix system
- Write powerful shell scripts
- Use the shell's built-in decision-making and looping constructs
- Use the shell's powerful quoting mechanisms
- Make the most of the shell's built-in history and command editing capabilities
- Use regular expressions with Unix commands

- Take advantage of the special features of the Korn and Bash shells
- Identify the major differences between versions of the shell language
- Customize the way your Unix system responds to you
- Set up your shell environment
- Make use of functions
- Debug scripts

"The best book for learning shell programming...a true classic."
—Dr. Dobb's

Stephen G. Kochan is the author or co-author of several best-selling books on Unix and C programming, including *Programming in C, Programming in Objective-C,* and *Exploring the Unix System*. He is a former software consultant for AT&T Bell Laboratories, where he developed and taught classes on Unix and C programming.

Patrick Wood is the CTO of the New Jersey location of Electronics for Imaging. He was a member of the technical staff at Bell Laboratories when he met Mr. Kochan in 1985. Together they founded Pipeline Associates, Inc., a Unix consulting firm, where he was vice president.

Unix/Programming

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in 24 Hours

In just 24 lessons of one hour or less, *Sams Teach Yourself Unix in 24 Hours* helps you get up and running with Unix and Unix-based operating systems such as Mac OS X and Linux.

Designed for beginners with no previous experience using Unix, this book's straightforward, step-by-step approach makes it easy to learn.

Each lesson clearly explains essential Unix tools and techniques from the ground up, helping you to become productive as quickly and efficiently as possible.

Step-by-step instructions carefully walk you through the most common Unix tasks.

Practical, hands-on examples show you how to apply what you learn.

Quizzes and exercises help you test your knowledge and stretch your skills.

Notes and tips point out shortcuts and solutions

Dave Taylor runs the popular Web site AskDaveTaylor.com and has been involved with the Unix community for more than 30 years. Founder of four Internet startups, he created the Elm Mail System and contributed to the development of 4.4 BSD Unix. A prolific author, his most recent books include the best-selling *Wicked Cool Shell Scripts* and *Learning Unix for Mac OS X*. He's also a columnist for *Linux Journal* and an active participant in social media channels.

Learn how to...

- Pick the command shell that's best for you
- Organize the Unix file system (and why)
- Manage file and directory ownership and permissions
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- Use the vi and emacs editors
- Create your own commands and shell scripts
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- Troubleshoot common problems
- List files and manage disk usage
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- Set up printing in a Unix environment
- Archive and back up files
- Search for information and files
- Use Perl as an alternative Unix programming language
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CSS SECRETS

BETTER SOLUTIONS TO EVERYDAY WEB DESIGN PROBLEMS

In this practical guide, CSS expert Lea Verou provides 47 undocumented techniques and tips to help intermediate-to-advanced CSS developers devise elegant solutions to a wide range of everyday web design problems.
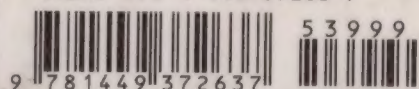
Rather than focus on design, *CSS Secrets* shows you how to solve problems with code. You'll learn how to apply Lea's analytical approach to practically every CSS problem you face to attain DRY, maintainable, flexible, lightweight, and standards-compliant results.

Inspired by her popular talks at over 60 international web development conferences, Lea Verou provides a wealth of information for topics including:

- Background & Borders
- Shapes
- Visual Effects
- Typography
- User Experience
- Structure & Layout
- Transitions & Animations

"Lea Verou's encyclopaedic mind is one of a kind, but thanks to this generous book, you too can get an insight into what it's like to wield CSS to do just about anything you can think of. Even if you think you know CSS inside-out, I guarantee that there are still secrets in this book waiting to be revealed."

—Jeremy Keith
Shepherd of Unknown Futures, Clearleft

"If you want the inside scoop on fascinating CSS techniques, smart best practices, and some flat-out brilliance, don't hesitate—read this book. I loved it!"

—Eric A. Meyer

"*CSS Secrets* is an instant classic—so many wonderful tips and tricks you can use right away to enhance your UX designs!"

—Christopher Schmitt
Author of *CSS Cookbook*

"Lea is an exceedingly clever coder. This book is absolutely packed with clever and useful ideas, even for people who know CSS well. Even better, you'll feel more clever in your work as this book encourages pushing beyond the obvious."

—Chris Coyier
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CSS SECRETS

BETTER SOLUTIONS TO EVERYDAY WEB DESIGN PROBLEMS

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"This is a new generation of CSS books, for a new generation of CSS. Nobody is better at making sense of this new C Lea Verou—among the handful of truly amazing coders I've
—Jeffrey Zeldman, author, *Designing With Web St*

CSS SECRETS

BETTER SOLUTIONS TO EVERYDAY WEB DESIGN PROBLEMS

LEA VEROU

FOREWORD BY ERIC A. MEYER